Serial No. 09/825,023
Amendment dated January 6, 2006
In reply to Final Office Action dated July 12, 2005

Docket No. 1232-4703

<u>LISTING OF CLAIMS</u>

Claims 1-11 are pending. Please amend claims 1, 2, 6, and 11 as shown in the below listing of claims that will replace all prior versions and listings of claims in the application.

1 (Currently Amended):   An Internet facsimile gateway apparatus that is connected to a general switched telephone network and an IP network and relays facsimile communication between said general switched telephone network and said IP network, comprising:

first communicating means for performing procedural processing of facsimile transmission in said general switched telephone network;

second communicating means for performing procedural processing of facsimile transmission in said IP network; and

controlling means for controlling a transmission timing of a <u>first</u> signal transmitted from said first communicating means <u>to said general switched telephone network</u> based on a <u>second</u> signal received <u>from said IP network</u> by said second communicating means,

wherein the signal transmission timing <u>from said first communicating means</u> is controlled to transmit the <u>first</u> signal at a <u>predetermined</u> time <u>after the reception of the second signal from said IP network is completed</u> ~~that prevents~~ <u>thereby preventing</u> a transmission delay via said IP network from causing a corresponding <u>signaling</u> delay ~~in signaling~~ over said general switched telephone network ~~such that the corresponding delay would prevent normal facsimile communication~~.

2 (Previously Presented):   The Internet facsimile gateway apparatus according to claim 1, wherein said controlling means has a pseudo signal generating means for generating a pseudo signal of a control signal to be used in procedures of facsimile transmission in said general

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switched telephone network, and, after said second communicating means receives a

predetermined signal, transmits said pseudo signal after a predetermined time via said first

communicating means.

3 (Original):   The Internet facsimile gateway apparatus according to claim 1, wherein, after said

second communicating means accumulates received signals for a predetermined period of time,

said controlling means transmits the accumulated signals via said first communicating means.

4 (Original):   The Internet facsimile gateway apparatus according to claim 2, wherein said

pseudo signal is a signal for establishing synchronism between transmission/reception

apparatuses.

5 (Original):   The Internet facsimile gateway apparatus according to claim 2, wherein said

predetermined period of time is a length of time defined by procedures for facsimile transmission

in said general switched telephone network.

6 (Currently Amended):   A method for controlling an Internet facsimile gateway apparatus

that is connected to a general switched telephone network and an IP network and relays facsimile

communication between the general switched telephone network and the IP network,

comprising:

        a first communication step by a first communicating unit of performing

procedural processing of facsimile transmission in said general switched telephone network;

        a second communication step by a second communicating unit of performing

procedural processing of facsimile transmission in said IP network; and

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a control step for controlling a transmission timing of a <u>first</u> signal transmitted

[[by]] <u>from</u> said first communication [[step]] <u>unit to said general switched telephone network</u>

based on a <u>second</u> signal received <u>from said IP network</u> by said second communication [[step]]

<u>unit,</u>

wherein the signal transmission timing <u>from said first communicating unit</u> is

controlled to transmit the <u>first</u> signal at a <u>predetermined</u> time <u>after the reception of the second</u>

<u>signal from said IP network is completed</u> ~~that prevents~~ <u>thereby preventing</u> a transmission delay

via said IP network from causing a corresponding <u>signalig</u> delay ~~in signaling~~ over said general

switched telephone network ~~such that the corresponding delay would prevent normal facsimile~~

~~communication.~~

7 (Previously Presented):   The method for controlling an Internet facsimile gateway apparatus

according to claim 6, wherein said controlling step has a pseudo signal generating step for

generating a pseudo signal of a control signal to be used in procedures of facsimile transmission

in said general switched telephone network, and, after said second communicating step receives

a predetermined signal, transmits said pseudo signal after a predetermined time by said first

communicating step.

8 (Original):   The method for controlling an Internet facsimile gateway apparatus according to

claim 6, wherein, after said second communicating step accumulates received signals for a

predetermined period of time, said controlling step transmits the accumulated signals by said first

communicating step.

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9 (Original):   The method for controlling an Internet facsimile gateway apparatus according to

claim 7, wherein said pseudo signal is a signal for establishing synchronism between

transmission/reception apparatuses.

10 (Original): The method for controlling an Internet facsimile gateway apparatus according to

claim 7, wherein said predetermined period of time is a length of time defined by procedures for

facsimile transmission in said general switched telephone network.

11 (Currently Amended):   A computer readable recording medium that stores a control

program of an Internet facsimile gateway apparatus that is connected to a general switched

telephone network and an IP network and relays facsimile communication between the general

switched telephone network and the IP network, comprising:

        a program of a first communication step by a first communicating unit for

performing procedural processing of facsimile transmission in said general switched telephone

network;

        a program of a second communication step by a second communicating unit for

performing procedural processing of facsimile transmission in said IP network; and

        a program of a control step for controlling a transmission timing of a first signal

transmitted [[by]] from said program of said first communication [[step]] unit to said general

switched telephone network based on a second signal received from siad IP network by said

program of said second communication [[step]] unit,

        wherein the signal transmission timing from said first communicating unit is

controlled to transmit the first signal at a predetermined time after the reception of the second

signal from said IP network is completed that prevents thereby preventing a transmission delay

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via said IP network from causing a corresponding <u>signaling</u> delay ~~in signaling~~ over said general

switched telephone network ~~such that the corresponding delay would prevent normal facsimile~~

~~communication.~~

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